

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/011568

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01M8/02 H01M8/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 HOIM

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical search terms used)

EPO-Internal , PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	EP 0 629 015 A (DE NORA PERMELEC S.P.A.; NUVERA FUEL CELLS EUROPE S.R.L.) 14 December 1994 (1994-12-14) page 5, lines 5-12, 43-47 figures 1,4	1
A	US 5 464 700 A (STECK ET AL) 7 November 1995 (1995-11-07) column 4, line 56 - column 5, line 52	2-8
A	US 6 423 439 B1 (BARTON RUSSELL H ET AL) 23 July 2002 (2002-07-23) column 2, lines 35-39 column 3, line 17 - column 4, line 15 figure 2b	9-14
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☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

### Special categories of cited documents

- 'A' document defining the general state of the art which is not considered to be of particular relevance
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- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the international filing date but later than the priority date claimed

'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

'Y' document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

'&' document member of the same patent family

Date of the actual completion of the international search

8 November 2005

Date of mailing of the international search report

15/11/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	<p>PATENT ABSTRACTS OF JAPAN vol . 1999, no. 11, 30 September 1999 (1999-09-30) &amp; JP 11 162478 A (AISIN SEIKI CO LTD), 18 June 1999 (1999-06-18) abstract</p> <p>-----</p>	2-14
A	<p>PATENT ABSTRACTS OF JAPAN vol . 2003, no. 08, 6 August 2003 (2003-08-06) &amp; JP 2003 123812 A (MATSUSHITA ELECTRIC IND CO LTD), 25 April 2003 (2003-04-25) abstract</p> <p>-----</p>	2-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011568

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
EP 0629015	A	14-12-1994	AT	210339	T	15-12-2001
			AU	674931	B2	16-01-1997
			AU	6054194	A	03-11-1994
			BR	9401641	A	22-11-1994
			CA	2121455	AI	31-10-1994
			CN	1108005	A	06-09-1995
			CZ	9400986	A3	19-10-1994
			DE	69429304	D1	17-01-2002
			DE	69429304	T2	24-10-2002
			DK	629015	T3	02-04-2002
			ES	2169050	T3	01-07-2002
			FI	941932	A	31-10-1994
			IT	1270878	B	13-05-1997
			JP	2953555	B2	27-09-1999
			JP	6349508	A	22-12-1994
			RU	2126569	C1	20-02-1999
			SK	50694	A3	09-11-1994
			US	5482792	A	09-01-1996
<hr/>						
US 5464700	A	07-11-1995	AU	664703	B2	30-11-1995
			AU	1886692	A	08-01-1993
			CA	2102695	AI	05-12-1992
			WO	9222096	A2	10-12-1992
			DE	69204834	D1	19-10-1995
			DE	69204834	T2	04-04-1996
			EP	0586461	AI	16-03-1994
			JP	7501417	T	09-02-1995
			JP	3245161	B2	07-01-2002
<hr/>						
US 6423439	BI	23-07-2002	US	6057054	A	02-05-2000
<hr/>						
JP 11162478	A	18-06-1999	NONE			
<hr/>						
JP 2003123812	A	25-04-2003	NONE			
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